This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS

1. (Currently amended) ~~The~~ A user identification method using an electronic identification system ~~that includes~~ comprising at least a first and a second electronic identification ~~facilities~~ device connected ~~through~~ by at least one telecommunication ~~facilities and consisting of the following stages~~ line, the method comprising the steps of: forming ~~of the users~~ a user database in each electronic identification ~~feature~~ device and identifying a user, ~~the system users identification, in which connection during the database forming stage the following operations are executed~~ wherein:

the step of forming the user database comprises the steps of:

a) ~~Identification of~~ identifying living matter ~~presence~~ on ~~the~~ an identification surface of ~~one of~~ the first identification ~~facilities~~ device while ~~the~~ a user's hand is placed on the identification surface,

b) ~~The hand~~ scanning the hand ~~by the identification facility subject to presence of~~ when living matter is identified on the identification surface,

c) ~~Forming of the user's~~ forming a set of geometry parameters ~~set~~ corresponding to characteristics of the hand ~~the hand characteristic parameters by the identification facility~~,

d) ~~Converting of the above set~~ converting the set of geometry parameters into ~~the~~ an analyzed identification code ~~by the identification facility~~,

e) ~~Entry of~~ entering the analyzed identification code and ~~the~~ individual information ~~on~~ of the user in the user database in the first identification ~~facility~~ device ~~memory unit database~~,

f) ~~Transmitting of~~ transmitting the analyzed identification code and the individual information ~~on~~ of the user to ~~the other~~ the second identification device ~~facilities constituting electronic identification system~~ through the telecommunication line ~~facilities~~, and

g) ~~Entry of the~~ entering the analyzed identification code and the individual information ~~on~~ of the user in ~~the~~ a user database of the second identification device; and ~~facility memory unit database; during the identification stage operations from a) to d) are executed in series and then the following operations are executed:~~

the step of identifying the user comprises the steps a) to d) executed in series and further comprises the steps of:

h) ~~Comparing of~~ comparing the ~~user's individual~~ analyzed identification code to ~~latter~~ a reference identification code extracted from the user database of the second identification device ~~facility memory unit database~~,

i) ~~Displaying~~ displaying on a monitor of the first identification device ~~the identification facility monitor~~ the analyzed individual information stored ~~together~~ with the analyzed identification code in the ~~identification facility memory unit~~ user database of the first identification device when the result of the step of comparing the analyzed identification code to the reference identification code is positive ~~subject to positive result of comparing~~, and

j) ~~Forming of~~ transmitting a permissive access signal ~~sent~~ to an execution ~~facility~~ device when the result of the step of comparing the analyzed identification code to the reference identification code is positive.

2. (Currently amended) The method of claim 1 ~~by the following:~~ wherein the step of converting ~~of the user's identification~~ the set of geometry parameters ~~set~~ ~~corresponding to the hand characteristic parameters~~ into the ~~user~~ analyzed identification code ~~is executed by~~ comprises the step of using at least ~~a single~~ one converting algorithm selected from different given converting algorithms.

3. (Currently amended) The method of claim 2 wherein the step of using the converting algorithm comprises the step of automatically selecting the ~~by automatic selection of~~ converting algorithm.

4. (Currently amended) The method of claim 2 wherein the step of using the converting algorithm comprises the step of allowing a selection of the ~~by selection of~~ converting algorithm ~~made by the operator~~.

5. (Currently amended) The method of claim 1 ~~by the following: while~~ wherein the step of comparing ~~of the user's individual~~ the analyzed identification code to the reference identification code comprises the step of using a predetermined allowed error ~~latter extracted from the identification facility memory unit database given allowed errors of the identification codes lack of coincidence are used~~.

6. (Currently amended) The method of claim 1 ~~by the following: should the result of comparing is negative then~~ further comprising the step of displaying a rejecting access signal ~~is displayed~~ on the ~~identification facility~~ monitor of the second identification device when the result of the step of comparing the analyzed identification code to the reference identification code is negative.

7. (Currently amended) ~~Electronic~~ An electronic identification system ~~containing~~ comprising:

first and second electronic identification ~~facilities~~ devices connected to each other through at least one telecommunication ~~facility~~ line, ~~and~~ each of the electronic identification ~~facility represents~~ devices being a device for biometrical personal identification based on characteristics of a user's hand, wherein: ~~that pertains to the hand characteristic geometry sizes and is designed to provide possibility of:~~

~~a) Identification of~~ said first electronic identification device identifies living matter ~~presence~~ on ~~the~~ an identification surface of said first electronic identification device when a ~~while the~~ user's hand is placed on the identification surface, ~~and~~

said first electronic identification device scans the hand ~~scanning subject to presence of~~ when living matter is identified,

~~b) Forming of the users~~ said first electronic identification device comprises a user database ~~by forming the user identification~~ storing a set of geometry parameters ~~set~~ corresponding to ~~the hand characteristic parameters and converting of the above~~ characteristics of the user's hand,

said first electronic identification device converts the set of geometry parameters into an analyzed ~~set into the user~~ identification code ~~and its entry~~ entered in the user database;

~~c) Transmitting of~~ said first electronic identification device transmits the analyzed identification code and ~~the~~ individual information ~~on~~ of the user to ~~the other identification facilities~~ said second electronic identification device to ~~entry~~ enter the analyzed identification code ~~in question~~ and the individual information in a user database of the second identification ~~facility database~~ device,

~~d) The user identification by comparing its individual~~ said first electronic identification device compares the analyzed identification code to the reference ~~individual user's~~ identification code extracted from the user database of the second electronic identification ~~facility database~~ device ~~and individual information displaying, which is stored in database together with the individual user code subject to the positive result of comparing~~;

said first electronic identification device stores the individual information and the analyzed identification code in the user database when a positive result is achieved from comparing the analyzed identification code and the reference identification code;

said first electronic identification device comprises a monitor that displays the individual information; and

~~e) Forming of~~ said electronic identification device sends a permissive access signal ~~sent~~ to an execution ~~facility~~ device.

8. (Currently amended) ~~Device~~ A device for biometrical personal identification ~~that pertains to the characteristic geometry sizes containing the following~~ based on hand characteristics, comprising:

a) ~~Identification~~ an identification surface ~~designed to identify~~ for identifying living matter when ~~the user places it's~~ a user's hand is placed on the identification surface,

b) ~~Device~~ an illuminating device illuminating the ~~user's~~ hand ~~designed to create parallel beam~~ and emitting parallel beams of light in an area of the identification surface ~~area~~,

c) ~~The user's~~ a hand scanning device ~~including~~ comprising a photo-cell with a memory unit that scans the user's hand only ~~subject to presence of~~ when living matter is identified on the identification surface,

d) ~~Identification~~ an identification processing device connected to the ~~user's~~ hand scanning device.

9. (Currently amended) ~~Device according to claim 8 in which~~ A device for biometrical personal identification based on hand characteristics, comprising:

a) an identification surface for identifying living matter when a user's hand is placed on the identification surface,

b) an illuminating device illuminating the hand and emitting parallel beams of light in an area of the identification surface,

c) a hand scanning device comprising a photo-cell with a memory unit that scans the user's hand only when living matter is identified on the identification surface,

d) an identification processing device connected to the hand scanning device,

wherein the illuminating ~~facility designed to create additional beam of light in the identification surface area is equipped with~~ device comprises a biconvex lens with a single parabolic surface ~~orientated in such a way that its~~ with an optical axis that is ~~transversely~~ transverse to the identification surface.

10. (New) The device according to claim 8, wherein the identification surface comprises first and second electrically isolated coatings for detecting a complex impedance of an object placed on the identification surface.

11. (New) The device according to claim 10, wherein the object placed on the identification surface is identified based on the complex impedance detected by the first and second electrically isolated coatings.

12. (New) A user identification method using an electronic identification system comprising at least a first and a second electronic identification device connected by at least one telecommunication line, the method comprising the step of forming a user database in each electronic identification device, the step of forming the user database comprising the steps of:

a) identifying living matter on an identification surface of the first identification device while a user's hand is placed on the identification surface,

b) scanning the hand when the living matter is identified on the identification surface,

c) forming a set of geometry parameters corresponding to characteristics of the hand,

d) converting the set of geometry parameters into an analyzed identification code,

e) entering the analyzed identification code and individual information of the user in the user database in the first identification device,

f) transmitting the analyzed identification code and the individual information of the user to the second identification device through the telecommunication line, and

g) entering the analyzed identification code and the individual information of the user in a user database of the second identification device.

13. (New) The method of claim 12 wherein the step of converting the set of geometry parameters into the analyzed identification code comprises the step of using at least one converting algorithm selected from different given converting algorithms.

14. (New) The method of claim 13 wherein the step of using the converting algorithm comprises the step of automatically selecting the converting algorithm.

15. (New) The method of claim 13 wherein the step of using the converting algorithm comprises the step of allowing a selection of the converting algorithm.

16. (New) A user identification method using an electronic identification system comprising at least a first and a second electronic identification device connected by at least one

telecommunication line, the method comprising the step of identifying a user, the step of identifying the user comprising the steps of:

a) identifying living matter on an identification surface of the first identification device while a user's hand is placed on the identification surface,

b) scanning the hand when the living matter is identified on the identification surface,

c) forming a set of geometry parameters corresponding to characteristics of the hand,

d) converting the set of geometry parameters into an analyzed identification code,

e) comparing the analyzed identification code to a reference identification code extracted from a user database of the second identification device,

f) displaying on a monitor of the first identification device the analyzed individual information stored with the analyzed identification code in the user database of the first identification device when the result of the step of comparing the analyzed identification code to the reference identification code is positive, and

g) transmitting a permissive access signal to an execution device when the result of the step of comparing the analyzed identification code to the reference identification code is positive.

17. (New) The method of claim 16 wherein the step of converting the set of geometry parameters into the analyzed identification code comprises the step of using at least one converting algorithm selected from different given converting algorithms.

18. (New) The method of claim 17 wherein the step of using the converting algorithm comprises the step of automatically selecting the converting algorithm.

19. (New) The method of claim 17 wherein the step of using the converting algorithm comprises the step of allowing a selection of the converting algorithm.

20. (New) The method of claim 16 wherein the step of comparing the analyzed identification code to the reference identification code comprises the step of using a predetermined allowed error.

21. (New) The method of claim 16 further comprising the step of displaying a rejecting access signal on the monitor of the second identification device when the result of the step of comparing the analyzed identification code to the reference identification code is negative.